

Appendix C

Summary of Monitoring Results for CNLM-Managed Properties through October 31, 2008

Biological Monitoring Status on CNLM-Managed Preserves through October 31, 2007

Common Name	Covered by HMP	NE	OW	Listed Spp	Preserve	Population Status	Most Recent Survey	Survey Schedule	Survey Type	Notes
PLANTS										
Cliff spurge	X				Kelly Ranch	11 individuals	2007	Every 3 years	Direct count	
Nuttall's scrub oak	X				Kelly Ranch	Common, but probably less than 100 individuals	2003	Every 5 years (next survey 2008)	Estimation	Steep terrain, difficult to count
					Carlsbad Oaks North	161	2006	Undetermined at this pt, but probably every 3-5 years	Direct count	161 individuals were gps'd, but this was only a partial survey. In 2008, CNLM will finish surveys for this species.
					Rancho La Costa/La Costa Villages	600-700	2003	Every 5 years	Estimation	Direct Count to occur in 2008
					Cassia Professional Offices	Unknown, potential to occur	2005 (Planning Systems)	Every 5 years	Direct Count	Direct Count to occur in 2008
Del Mar Manzanita		X			Carlsbad Oaks North	0	2007	No future surveys planned at this time	Direct count	<i>ssp zacanensis</i> known to occur. CNLM to conduct focused surveys in 2008 to determine whether <i>ssp crassifolia</i> occurs within the preserve
					Rancho La Costa/La Costa Villages	TBD, see notes	2007	2008	Direct count	<i>ssp zacanensis</i> known to occur. CNLM to conduct focused surveys in 2008 to determine whether <i>ssp crassifolia</i> occurs within the preserve
					Kelly Ranch	<50	2003	Every 3-5 years (next survey 2008)	Estimation	Steep terrain, difficult to count. May not be <i>ssp crassifolia</i> , which will be determined in 2008. <i>ssp zacanensis</i> known to occur. CNLM to conduct focused surveys in 2008 to determine whether <i>ssp crassifolia</i> occurs within the preserve
					Cassia Professional Offices	0	2005 (Planning Systems)			Not expected to occur
Orcutt's hazardia	X	X		ST	Kelly Ranch	106 adults and 3 seedlings	2007	Yearly	Direct count	Individuals at this preserve were propagated from seeds collected at the Manchester Habitat Conservation area in Encinitas and planted at Kelly Ranch in 2003 and 2004.
					Rancho La Costa/La Costa Villages	160	2006	Every few years	Direct count	Individuals at this preserve were propagated from seeds collected at the Manchester Habitat Conservation area in Encinitas and planted at this preserve in 2004.
San Diego Thornmint		X			Rancho La Costa/La Costa Villages	26	2007	Yearly	Direct count	Low numbers in 2007 likely due to low rainfall, 1,000 individuals estimated in 2003
					Carlsbad Oaks North	210	2007	Yearly	Direct count	First known census in 2007
Thread-leaved brodiaea	X	X		FT/SE	Carlsbad Oaks North	Less than 10	2007	2008	Direct count	Only vegetative portion of a few individuals observed in 2007 due to low rain. Merkel & Assoc reported 20 individuals in 1997
					Rancho La Costa/La Costa Villages	Estimated 11,000+	2007	Yearly	Direct count via plots, and estimation	
					Calavera Hills Phase II	No current data	2007	Yearly	Direct Count	Insufficient rainfall in 2007, but about 10 individuals thought to be TLB were observed.

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WILDLIFE										
Orange-throated whiptail	X				Kelly Ranch	Not observed by CNLM, observed in 1988, prior to CNLM	2002-2007	None		Although not observed, no focused surveys have been conducted. This species is likely to occur in low numbers (less than 100)
					Carlsbad Oaks North	Unknown	None to date	Not planned		This species was observed "in moderate" numbers in 1997 by Merkel and Assoc.
					Calavera Hills/Robertson Ranch	Unknown	None to date	Not planned		
					Rancho La Costa/La Costa Villages	0	2004	Not planned		None observed in reptile pit arrays run between 2002-2004 and no anecdotal sitings from 2002-2007 during other biological surveys. Likely absence from most of this preserve due to soil type. However, the species is likely to occur at the La Costa Greens preserve areas, but no surveys have been conducted by CNLM in these areas (in addition to dense vegetation within this area).
California rufous-crowned sparrow	X				Kelly Ranch	Not observed by CNLM, observed in 1988, prior to CNLM	2002-2007	Every 3 years	Focused surveys	Although not observed, this species has potential to occur in low numbers (i.e. less than 2 or 3 territories)
					Carlsbad Oaks North	Likely to occur		Every year for next 3 years		Next survey in 2008
					Calavera Hills/Robertson Ranch	No current status		Every few years	Focused surveys	2 territorial males heard along Calavera Creek in Roberston Ranch East Village in 2007
					Rancho La Costa/La Costa Villages	Abundant, 4-6 per survey plot per day	2004	None planned	Point Counts	Box Canyon and adjacent areas provide ideal habitat for this species, which is one of the most abundant per CNLM point count data (50 acre plots with 6 points). Data collected in 2005 has not been analyzed to date.
					Cassia Professional Offices	No current status				
Coastal California gnatcatcher	X			FT	Kelly Ranch	4 pairs	2007	Every 3 years	Focused surveys	The site has supported between 2 and 4 pairs since CNLM started management
					Carlsbad Oaks North	2 pair and 1 single male in 2007	2007	Every year for the next 3 years	Focused surveys	
					Calavera Hills/Robertson Ranch	12 pair and 1 single male	2007	Every year for the next 3 years	Focused surveys	
					Rancho La Costa/La Costa Villages	27 pair and 4 single males	2007	Every 2 years	Focused survey	Data includes off-site mitigation areas located in County of San Diego
					Cassia Professional Offices	Unlikely to occur	2005	None planned		
Cooper's Hawk	X				Kelly Ranch	Observed	2007	None planned	Anecdotal	Unlikely to nest, likely to forage, observed every year between 2002-2007
					Carlsbad Oaks North	1 Observed in 2007	2007	None planned	Anecdotal	Observed during CAGN surveys
					Calavera Hills/Robertson Ranch	Likely to occur		None planned		
					Rancho La Costa/La Costa Villages	Common		None planned	Anecdotal	Species is commonly observed during focused surveys for other species and regular patrolling efforts

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					Cassia Professional Offices	No current status		None planned		
Least Bell's vireo	X			FE/SE	Rancho La Costa/La Costa Villages	2 territorial males	2005	None planned	Anecdotal	Males were observed at La Costa Greens.
					Calavera Hills/Robertson Ranch	1 pair	2007	None planned	Anecdotal	1 pair observed along Calavera Creek near to where Village U and Robertson Ranch East Village meet
Yellow-breasted chat	X		X		Rancho La Costa/La Costa Villages	3 territorial males	2005	None planned	Anecdotal	Males were observed at La Costa Greens
					Calavera Hills/Robertson Ranch	2 territorial males	2007	None planned	Anecdotal	2 territorial males hear along Calavera Creek in Robertson Ranch East Village
					Carlsbad Oaks North	No current status	2008	Every few years		No recent survey, 2 chats observed in 1997 by Merkel and Associates

NE = Narrow Endemic; OW = Obligate Wetland species

Preserves: BVC = Buena Vista Creek Ecological Reserve; CH = Calavera Hills Phase II; CP = Cassia Professional Offices; CON = Carlsbad Oaks North; KR = Kelly Ranch; NCHB = North County Habitat Bank; RLC = Rancho La Costa; RRE = Robertson Ranch East Village; GCA = Gnatcatcher Core Area (Alemir, Choumas-Pappas, Nelson);